

BALON, L.R., kand.med.nauk

~~Restoration of the nose and upper lip by a single Filatov tube graft.~~ Stomatologija 37 no.6:39-41 N-D '58 (MIRA 11:12)

1. Iz kafedry stomatologii (zav. - prof. A.A. K'yandskiy) I
Leningradskogo meditsinskogo instituta imeni akademika I.P. Pavlova.
(FACE--SURGERY)
(SKIN GRAFTING)

BALON, L. R., Doc Med Sci -- (diss) "Rhinoplasty with stalk-like flaps." Leningrad, 1960. 31 pp; (Ministry of Public Health RSFSR, First Lenin-grad Medical Inst im Academician I. P. Pavlov); 300 copies; price not given; bibliography on pp 30-31 (18 entries); (KL, 23-60, 127)

BALON, L.R.

Rhinoplasty using a pedicle flap in general defects and defects
limited to the cartilaginous portion of the nose. Vest. khir.
84 no. 4:58-66 Ap '60. (MIRA 14:1)
(NOSE—SURGERY)

BALON, L.R., doktor med. nauk (Leningrad, Kuznechnyy perelok, dom 8, kv.1);
NIKONOVA, O.N., kand. med. nauk

Combined treatment in extensive recurrence of malignant
maxillary tumors. Vest. khir. 91 no.9:108-109 S'63.

(MIRA 17:4)

1. Iz kliniki chelyustno-litsevoy khirurgii (zav. - prof. A.A.
K'yandiskiy) 1-go Leningradskogo meditsinskogo instituta imeni
Pavlova i radiokhirurgicheskogo otdeleniya (zav. - dotsent K.N.
Chchia) TSentral'nogo nauchno-issledovatel'skogo instituta
meditsinskoy radiologii.

BALON, L.R., doktor med. nauk; NIKONOVA, O.N., kand.med.nauk

Compound treatment of myeloma of the mandible; Rustitskii's disease. Stomatologija 42 no.2:60-61 Mr-Ap'63 (MIRA 17:3)

1. Iz kliniki khirurgicheskoy stomatologii (zaveduyushchiy prof. A.A.K'yandskiy) I Leningradskogo meditsinskogo instituta imeni akademika I.P.Pavlova i radiokhirurgicheskogo otdeleniya (zaveduyushchiy - dotsent K.N.Chochia) TSentral'nogo nauchno-issledovatel'skogo instituta meditsinskoy radiologii.

BALON, L.R.

Corrective surgery in rhinoplasty using Filatov's pedicled flap.
Vest.Khir. 84 no.6:38-44 Je '60. (MIRA 13:12)
(NOSE—SURGERY)

MUKHIN, Mikhail Vladimirovich; BALON, L.R., red.; CHUNAYEVA, Z.V., —
tekhn. red.

[Treatment of head, face, and neck burns and their after-
effects] Lechenie ozhogov golovy, litsa, shei i ikh posled-
stvii. Leningrad, Medgiz, 1961. 162. p. (MIRA 16:2)
(BURNS AND SCALDS)

BALON, L.R., doktor med. nauk

Local hypothermia in free transplantation of a part of the concha
auriculae. Vest. khir. no.12:39-42 '62.

(MIRA 17:11)

1. Iz kliniki khirurgicheskoy stomatologii (zav. - prof. A.A.
K'yandskiy) 1-go Leningradskogo meditsinskogo instituta imeni
akademika Pavlova.

RALON, O.

Synechia vulvae infantum; observation on 32 cases. Cesk. pediat.
14 no.7:651-653 July 59.

1. Okresni ustav narodniho zdravi v Olomouci, poradna pro detskou
gynekologii.
(VULVA - abnormalities)

HORALEK, F.; NEVRLA, F.; BALON, O.

Causes of intrauterine fetal death at the Gynecological-Obstetrical Hospital in Olomouc during the period from 1957 to 1961. Cesk.gynek. 28 no.8:536-538 O '63.

Relation of intrauterine fetal death to prenatal care during the period 1957-1961 in Olomouc. 539-541

1. Gyn.-por. klin. lek. fak. UP v Olomouci, prednosta doc. dr. F. Gazarek, CSc.

*

ZENISEK, Ladislav; TALAS, Miloslav; STEHLIKOVA, Jarmila; BALON, Ota

The level of FSH in Stein-Leventhal syndrome and micro-cystic degeneration of the ovary. Cesk. gyn. 26[40] no.8:617-620 Jl '61.

1. Gyn. por. klinika PU v Olomouci.
(STEIN LEVENTHAL SYNDROME urine)
(GONADOTROPINS PITUITARY urine) (OVARY dis)

ZENISEK, Ladislav; BALON, Ota

Hypomenorrhea in genital tuberculosis in women. Cesk. gynek. 27
no.1/2:142-144 Mr '62.

1. Gyn.-por. klin. a pat. anat. ustav PU v Olomouci.

(TUBERCULOSIS FEMALE GENITAL physiol)
(MENSTRUATION DISORDERS physiol)

L 13051-66 ENT(m), EWA(d)/EWF(t), ENP(z), ENP(b) IJP(c) JD
ACC NR: AP5027912

SOURCE CODE: UR/0133/65/000/011/1036/1039

AUTHOR: Kazarnovskiy, D. S. (Doctor of technical sciences); Dryapik, Ye. P. (Engineer); Legeyda, N. F. (Engineer); Zakharov, A. Ye. (Engineer); Balon, V. I. (Engineer); Vol'ter, Ye. V. (Engineer); Nosov, V. S. (Engineer); Konstantinova, T. A. (Engineer); Sukhomilina, A. P. (Engineer)

ORG: Ukrainskiy n.-i. Institute of Metals (Ukrainskiy n.-i. institut metallov); Kommunarskiy Metallurgical Plant (Kommunarskiy metallurgicheskiy zavod)

TITLE: Strengthening of low carbon semikilled St. 3ps steel by heat treatment

SOURCE: Stal', no. 11, 1965, 1036-1039

TOPIC TAGS: carbon steel, low carbon steel, heat treating furnace

ABSTRACT: A heat treatment was developed for St. 3ps steel plates of 12 and 25 mm thickness by heating in a furnace to the temperature range 890-920°C and water cooling on a quench press. This treatment resulted in an average strengthening of 20% and a satisfactory plasticity level. Three separate heats of steel were heat treated. The compositions ranged as follows: C--0.16-0.19%; Mn--0.46-0.52%; Si--0.08-0.12%; S--0.036-0.042%; P--0.012-0.034% and Cu--0.050-0.058%. The details of the process were described. The steel plates were heated in a roller type furnace to temperature for a holding time of 1.5 min/mm. Cooling was done in a quench press with a water flow

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UDC: 621.78

L 13051-66

ACC NR: AP5027912

rate of 1700 m³/hr. After quenching, some warpage could be noted, particularly in thicknesses up to 20 mm. Mechanical properties of the heat treated plate in flat and round specimens were determined. Yield strength, ultimate strength, % elongation, % reduction in area and impact resistance were tabulated for heat I (12 mm thick), heat II (12 and 25 mm thick) and heat III (25 mm thick). Frequency curves were plotted for the mechanical properties of the heat treated plate (frequency of occurrence as a function of strength, ductility and impact resistance) and average values were given for these properties. The effect of tempering after quenching was also noted. In general, the strength decreased slightly and the ductility increased. Tempering had little effect on impact resistance. Microstructures showed that the structures after quenching were predominantly pearlitic-ferritic, with needle-like ferrite distributed along grain boundaries for the 12 mm thick plates while in the 25 mm thick plates there was smaller grained, needle-like ferrite. The highest strengths and lowest ductility were obtained in the 12 mm plate. However, the mechanical properties obtained never fell below the following levels for the heat treated condition: yield stress--30 kg/mm², ultimate strength--44 kg/mm², % elongation--16, and impact strength (at -40°C)--3 kgm/cm². It was recommended that low carbon steel plate, strengthened by the above treatment, be used in place of low alloyed steel. To be effective the optimum carbon content for heat treatment should be 0.12-0.18%. Orig. art. has: 3 figures 2 tables.

SUB CODE: 11/ SUEM DATE: 00/ ORIG REF: 004/ OTH REF: 000

Card 2/2

DOMBROVSKIY, A.V.; BAL'ON, Ya.G.; TASHCHUK, K.G.

Haloarylation of unsaturated compounds by aromatic diazo
compounds. Part 14: Synthesis of β' -methylstilbenes.
Zhur. ob. khim. 32 no. 2:603-607 F '62. (MIRA 15:2)

1. Chernovitskiy gosudarstvennyy universitet.
(Stilbene)

LEVCHENKO, Ye.S.; BAL'ON, Ya.G.; KIRSANOV, A.V.

Condensation of sulfur N-aryl sulfonylmonocimnodioxides with
dienes. Zhur. ob. khim. 33 no.5:1579-1584 My '63.
(MIRA 16:6)

1. Institut organicheskoy khimii AN UkrSSR.
(Sulfonyl group) (Butadiene)
(Condensation products)Chemistry))

LEVCHENKO, Yo. S., BAL'ON, Ya. G.; KISILENKO, A. A.

Condensation of sulfur N-arylsulfonylmonoiminodioxides with diene hydrocarbons. Part 2. Zhur. org. khim. 1 no.1:155-159 Ja '65.
(MIRA 18:5)

LEVCHENKO, Ye.S.; BAL'ON, Ya.O.

Derivatives of sulfur bisimine dioxide. Part 2. Zhur.org.khim.
1 no.2:305-310 F '65. (MIRA 18:4)

LEVCHENKO, Ye.S.; BIL'ON, Ya.G.

Condensation of sulfur bisarylsulfonyliminodioxides with diene hydrocarbons. Zhur. org. khim. 1 no.1:150-155 Ja '65. (MIRA 18:5)

21(3)

SOV/112-59-3-5251

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 3, p 135 (USSR)
AUTHOR: Aglintsev, K. K., Balon, Z. P., Dzhelepov, B. S., Karavayev, F. M.,
Karamyan, A. S., Konstantinov, A. A., Ostromukhova, G. P.,
Prokof'yev, P. T., Rusinova, S. A., Sumbayev, O. I., Khol'nova, Ye. A.,
Shestopalova, S. A., Yudin, M. F., and Yaritsyna, I. A.

TITLE: Metrology of Penetrating Radiations
(Metrologiya pronikayushchikh izlucheniy)

PERIODICAL: V sb.: Atomn. energiya v mirnykh tselyakh. Gosenergoizdat,
1957, pp 145-181

ABSTRACT: Projects are described of the Vsesoyuznyy nauchno-issledovatel'skiy
institut metrologii (All-Union Scientific-Research Metrology Institute) imeni
D. I. Mendeleyev on standardization of measures in the ionizing-radiation
field, and on the construction of standard and reference outfits for reproducing
the fundamental units in the whole range of energies and intensities of radiations
of all types. The following outfits are described: (1) a standard reproducing

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Metrology of Penetrating Radiations

the roentgen in the range of 40-300 Kev; (2) a reference outfit for measuring in roentgens of electromagnetic-radiation doses having the quantum energy of 300-1,500 Kev; (3) an outfit for measuring in roentgens the electromagnetic-radiation doses with quantum energy of 3-20 Kev with an error of 1%; (4) two standard outfits for measuring radium gamma-equivalents; (5) differential lead-ball gamma-calorimeters for measuring the activity of various preparations on the basis of their gamma radiation; (6) an isothermal calorimeter operating on the principle of liquid-nitrogen evaporation for measuring the activity of beta preparations; (7) a differential alpha-calorimeter for measuring the activity of radium preparations. An activity-measurement method by counting the number of particles emitted by a preparation is being developed in two directions: counting of particles in a definite solid angle and the same in the total solid angle by means of "4 π -counters." The beta-particle counter within a definite angle permits measuring preparations with an activity of 10^{-8} - 10^{-5} curie with an error of 4-6%. Two alternate designs of "4 π -

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Metrology of Penetrating Radiations

"counters" are described. One of them permits measuring beta preparations with an activity of 10^{-10} - 5×10^{-8} curie with an error of 2-4%, and the second, 5×10^{-11} - 5×10^{-7} curie with an error of 1-3%. The outfits have been built for measuring neutron streams from 10^8 down to a few tens of neutrons per sec. A gamma-spectrometer "Elotron" with an improved focusing has been built for investigation of gamma spectra in the energy range of 600-3,000 Kev. To conduct investigations in the range of 120-1,300 Kev, a 2-meter long crystal-diffraction gamma-spectrometer of the Dumond spectrometer type has been built. Also, a magnetic spectrometer analyzing photoelectrons has been built for the range of 200-700 Kev. Measuring the half-life from a few hours to a few years is made by two methods: the method of successive measurements of gamma-equivalent preparations and the differential-chamber method. The results of half-life measurements for a number of isotopes are tabulated.

N.G.Z.

Card 3/3

AGLINTSEV, K.K.; BALON, Z.P.

Effect of diaphragming X rays in a standard arrangement on their reproduction and transfer. Trudy VNIIM no.30:76-86 '57.
(MIRA 12:1)
(X rays--Equipment and supplies)

"Etalonmessungen im Gebiete ionisierender Strahlungen"

report presented at the

Intl. Measurements Conference (IMEKO) Budapest, 24-30 November 1958

BALON, Z.P.; MAKSIMOVA, M.P.

Comparative list of national standard roentgenometric apparatus.
Trudy inst.Kom. stand., mer i izm. prib. no.55:42-54 '61.

(MIRA 16:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii imeni
Mendeleyeva.

(Radiometer--Standards)

BALON, Z.P.; KONOVOVA, R.F.; KOSMININA, N.T.

Apparatus for the graduation of dosimeters with fields of γ -radiation doses from 9 to 24 roentgen/min. Nov. nauch.-issl. rab. po metr. VNIIM no.2:28-31 '64.
(MIRA 1814)

1. Source-00 AF (B)
ACC NR: AR0021029

SOURCE CODE: UR/0058/66/000/002/A079/A079

AUTHOR: Balon, Z. P.

45B

TITLE: Measurements of exposure doses and intensities of x rays and gamma radiation

9M

9M

SOURCE: Ref zh.Fiz, Abs. 2A591

REF SOURCE: Sb. Entsiklopediya izmereniy kontrolya i avtomatiz. Vyp. M.-L., Energiya,
1965, 23-26

TOPIC TAGS: x ray measurement, radiation measurement, gamma radiation, radiation intensity, calorimetry, SCIENTIFIC STANDARDS

ABSTRACT: The author examines the units established by the GOST 8848-63 standard for the measurement of x rays and gamma rays, and describes the standard ionization chambers with the aid of which absolute measurements of the exposure doses are made and methods of measuring the charge and the ionization current, extrapolation chambers, and working dosimetric x-ray metering instruments. Questions of measurement of the intensity of x rays and gamma rays are discussed. The concept of radiation intensity is defined and units for its measurement are considered. Calorimetric methods of absolute measurements of radiation energy fluxes are briefly described. [Translation of abstract]

SUB CODE: 20

Card 1/1

BALONIAK, Mieczyslaw, mgr.inz.

Tractors and agricultural machinery at the International Industrial Fair in Brno, Czechoslovakia, 1962. Masz ciagniki 10 no.1;
8-15 Ja'63

BALONIAK, Sylwester, dr

Studies on the reversible transformation of N-aryloaminophthalimides
and 2-arylophthalazinodiones-1,4. Wiad chem 16 no.12:771-774
D '62.

1. Zaklad Chemii Organicznej i Biologicznej, Akademia Medyczna,
Poznan.

S/081/62/000/024/051/073
B166/B186

AUTHORS: Domagalina, Eugenia, Bałoniak, Sylwester

TITLE: Cyclic hydrazides of aromatic and heterocyclic dicarboxylic acids. II. The reaction of producing hydrazines of certain 2-phenylphthalazinone derivatives

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24, 1962, 395, abstract 24Zh361 (Roczn. chem., v. 36, no. 2, 1962, 253 - 258 [Pol.; summaries in Russ., Eng. and Ger.])

TEXT: The reaction of 2-(4'-aminophenyl)-4-chlorophthalazine (I) with N_2H_4 is difficult and the substance obtained can only be separated in the form of an acetyl derivative of 2-(4'-acetylaminophenyl)-4-acetylhydrazophthalazinone (II). The action of N_2H_4 on 2-(2',4'-dinitrophenyl)-4-methoxyphthalazinone (III) and 2-(2',4'-diaminophenyl)-4-methoxyphthalazinone (IV) produced 2-[2(4')-nitroso-4'(2')-aminophenyl]-4-methoxyphthalazinone (V) and 2-(2',4'-diacetylaminophenyl)-phthalazindi-1,4-one (VI), respectively, instead of the expected hydrazine derivatives. Nitrating 2-phenyl-4-R-phtha-

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Cyclic hydrazides of aromatic ...

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lazinone (VII) ($R = Cl$) (VIIa) and VII ($R = OCH_3$) (VIIb) gives 2-(4'-nitro-phenyl)-4-chlorophthalazinone (VIII) and III, which were reduced to I and IV respectively. The position of the NO_2 group in VIII was established by using NaOH to convert it into the well known N-(n-nitroanilino)-phthalimide (IX). The structure of III was proved by counter synthesis. VIIb was produced by reacting VII ($R = Cl$) with CH_3ONa , 15 ml HNO_3 ($d = 1.49$) are added drop by drop (0°) to a solution of 10 g VIIa in 100 ml concentrated H_2SO_4 , the mixture is agitated for 10 min and then poured out onto ice giving VIII, $C_{14}H_8O_3N_3Cl$, yield 4.5 g, m.p. $243^\circ C$ (decomp.; from $CHCl_3 + CH_3OH$, 5 : 1). A mixture of 0.5 g VIII and 40 ml 5% NaOH is heated for 30 min, whereupon it is chilled and acidified with HCl acid, giving IX, yield 0.2 g. A mixture of 2 g VIII, 10 g $SnCl_2$, 5 ml concentrated HCl and 40 ml glacial CH_3COOH is boiled for 2 hrs below the boiling point of the solution, this is then cooled and the sediment is treated with 10 % NaOH which gives I, $C_{14}H_{10}ON_3Cl$, m.p. $213 - 214^\circ C$ (from $CHCl_3 + CH_3OH$), and the acetyl derivative.

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Cyclic hydrazides of aromatic ...

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tive, m.p. 248°C. A mixture of 2 g I, 8 ml 80% $N_2H_4 \cdot H_2O$ and 2 g $N_2H_4 \cdot H_2SO_4$ is boiled for 4 hrs in 40 ml $CH_2(CH_2OH)_2$, this is then cooled, 10 ml water are added and the resulting product is a crude substance with a m.p. ~196°C, which by treating with $(CH_3CO)_2O$ is converted into II, $C_{18}H_{17}O_3N_5$, yield 0.3g, m.p. 298 - 300°C (decomp.; from glycol). To a solution of 5.2 g VIIa in 80 ml absolute CH_3OH is added 1.84 g Na, this mixture is heated for 1 hr; then the hot solution is filtered and cooled giving VIIb, yield 4.8 g, m.p. 116 - 117°C (from CH_3OH). 4 g VIIb are added a portion at a time (at 10 - 20°C) to 50 ml HNO_3 (d 1.49), the solution is poured out gradually into icy water, producing III, $C_{15}H_{10}O_6N_4$, yield 3 g, m.p. 262 - 263°C (from glacial CH_3COOH). A solution of 0.2 g 2-(2',4'-dinitrophenyl)-phthalazindine-1,4-one in 10 ml 2% Na_2CO_3 is boiled dry, then 5 ml $(CH_3)_2SO_4$ are added to the residue, this mixture is heated until a solution forms whereupon it is poured out onto ice, giving III, yield 0.1 g. A mixture of 2.4 g III, 24 ml concentrated HCl, 72 ml glacial CH_3COOH and 15 g $SnCl_2$ is boiled for 1.5 hrs, Card 3/4

Cyclic hydrazides of aromatic ...

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the cooled mixture is diluted with water until the complex dissolves, then 20% NaOH is added to precipitate IV, $C_{15}H_{14}O_2N_4$, yield 1 g, m.p. 247 - 248°C (decomp.; from CH_3OH chloroform), and the acetyl derivative m.p. 240°C. A mixture of 1 g III, 10 ml 95% $N_2H_4 \cdot H_2O$ and 10 ml absolute CH_3OH is boiled for 2 hrs, after 24 hrs V is separated, $C_{15}H_{12}O_3N_4$, yield 0.2 g, m.p. 185 - 187°C (from CH_3OH), also the acetyl derivative, m.p. 128 - 129°C (from alcohol). A solution of V in hot water receives an addition of NH_4OH , and H_2S is bubbled through at 60 - 70°C, after which the mixture is acidified with HCl and is heated, filtered and boiled down to a small volume, whereupon IV is precipitated by the action of NaOH. A mixture of 0.6 g IV, 10 ml 95% $N_2H_4 \cdot H_2O$ and 5 ml glycol is boiled for 4 hrs, it is boiled down in vacuo, then the residue is heated for 2 min with excess $(CH_3CO)_2O$, giving VI, $C_{18}H_{16}O_4N_4$, yield 0.3 g, m.p. 337°C (decomp.; from glycol). For communication I see RZhKhim., no. 9, 1960, 34829. [Abstracter's note: Complete translation.]

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S/081/62/000/023/039/120
B166/B101

AUTHORS: Bałoniak, Sylwester, Ludwiczak, Stella

TITLE: Transformations of certain nitroderivatives of phenyl-aminophthalimide and phthalophenylhydrazide acid induced by sulfuric acid

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 23, 1962, 293, abstract 23Zh229 (Roczn. chem., v. 36, no. 3, 1962, 411-415 [Pol.] summaries in Russ., Eng., and Ger.])

TEXT: Heating N-(2,4-dinitrophenylamino)phthalimide (I) and phthalic mono-2,4-dinitrophenylhydrazide (II) with concentrated H_2SO_4 leads to the formation of 2-(2,4-dinitrophenyl)-phthalazinedi-1,4-one (III). Probably the transformation of II into III passes through the intermediate formation of I, this being demonstrated by the fact that I is produced from II at a lower reaction temperature. In the same way 2-(4-nitrophenyl)-phthalazinedi-1,4-one (V) can be produced from phthalic mono-4-nitrophenylhydrazide (IV). It was not found possible to convert N-(4-nitrophenylamino)-phthalimide (VI) into V or IV into VI. 10% NaOH is added to

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Transformations of certain...

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B166/B101

20 g I and stirred until a solution forms, when II, $C_{14}H_{10}N_4O_7$, is precipitated with HCl (acid), yield 18.6 g, m.p. 267-268°C (decomposition). A mixture of 5g II and 40 ml concentrated H_2SO_4 is heated to 100°C, giving I, yield 4.2 g, melting point 272-274°C (decomposition; from CH_3COOH). The same procedure at 160°C gives III, $C_{14}H_8O_6N_4$, yield 0.6 g, m.p. 282-283°C (from CH_3COOH); the 4-acetyl derivative, $C_{16}H_{10}O_7N_4$, has m.p. 146-147°C (from alcohol). Heating 5 g I with concentrated H_2SO_4 to 160°C gives III, yield 0.6 g. 20 g VI are heated with an aqueous alcoholic Na_2CO_3 solution until solution formation, this is diluted with water and IV is precipitated with HCl (acid), yield 19 g, m.p. 241-243°C (from alcohol). A mixture of 5g IV and 40 ml concentrated H_2SO_4 is heated to 100°C, this gives V, $C_{14}H_9O_4N_3$, yield 0.8 g, m.p. 297-298°C (from CH_3COOH); the 4-acetyl derivative, $C_{16}H_{11}O_5N_3$, has m.p. 215-217°C (from CH_3COOH). [Abstracter's note: Complete translation.]

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BALONIAK, Sylvester

Condensation of 1,4-dihydroxypthalazine sodium salt with 4-nitro-chlorobenzene and with 2,4-dinitrochlorobenzene. Roczn. chemii. 37 no. 12-1635-1636 '63.

1. Institute of Organic Chemistry, School of Medicine, Poznan.

KUTAY, A.K.; BALONKINA, I.I.

Precision of die and investment castings. Lit. proizv. no. 8:37-39
Ag '64.
(MIRA 18:10)

BALONKINA, I. I.

Balonkina, I. I. (Leningrad). Comparative Investigation of Accuracy in Manufacturing Basic Machine Parts in Several Machine-building Plants p. 130

Interchangeability, Accuracy and Measuring Methods in Machine Building, Moscow, Mashgiz, 1958, 251 pp. (Sbornik Nauchno-tekh. obshch. mashinostroitel'noy promyshlennosti, Leningradskoye oblast pravleniya, kn. 47).

This collection of articles deals with the topics discussed at the 3rd Leningrad Sci. and Engineering Conference on Interchangeability, accuracy and Inspection Methods in Machine-building and Instrument-making, held 18-22 Mar 1957.

KUTAY, A.K., dotsent; BALONKINA, L.I., assistent; GALNYKIN, A.Ya.

Precision measurements of dimensions in motion-picture engineering.
Izv. vys. ucheb. zav.: prib. no.273-82 '58. (MIRA 11:7)

1.Leningradskiy institut kinoinzhenerov.
(Measuring instruments) (Motion-picture projection)

KUTAY, A.K., kand.tekhn.nauk, dotsent; BALONKINA, I.I., inzh.

Automatic collimation devices for measuring angles of recess
for toothed cylinders and other parts. Vzaim.i tekhn.
izm.v mashinostr.; mezhvuz.sbor. no.3:227-239 '61.

(Collimators) (MIRA 14:8)

BALONKINA, I.I.

Conference on interchangeability, precision and control
methods in the machinery industry. Standartizatsia 27
no.10:48-50 0 '63. (MIRA 16:11)

USSR/Electricity

Electrical Equipment
Industrial Equipment

Aug 48

"Thirty Years of Planning and Maintenance Activity in the Electrification of Industrial Enterprises," K. D. Kofman, P. F. Solov'yev, S. M. Livshits, A. P. Balomov, Engineers, Moscow, 4 pp

"Elektrichestvo" No 8

Describes main projects of Glavelektromontazh 1918-1948 under metallurgy, engineering, textiles, paper and cellulose, and polygraphy. Gives important planning decisions made and brief note on personnel.

PA 15/49T37

TRAUGOTT, N.N.; BALONOV, L.I.; KURGANOVSKII, P.I. [Kurganovskiy, P.I.]

Cortical regulation of the function of the normal and sick heart in man. Activ. nerv. sup. 4 no.3/4:439-445 '62.

1. Academy of Sciences of the USSR, I.M. Sechenov Institute of Evolutionary Physiology, Leningrad.
(REFLEX CONDITIONED) (HEART) (HEART DISEASES)

БАНКА МЕДИКА Sec 2 Vol 11/7 Physiology July 58

3235. REGULARITIES OF DEPRESSION AND RESTORATION OF HIGHER NERVOUS ACTIVITY IN SOME ACUTE PATHOLOGICAL CONDITIONS (Russian text) - Balonov L. V., Lichko A. E. and Traugott N. N. Inst. of Evolutionary Physiol., USSR Acad. of Scis, Leningrad - Z. VYSSH. NERV.

DEYATEL. 1957, 7/3 (335-343) Graphs 1 Tables 1
The course of depression and restoration of higher nervous activity has been investigated in some acute pathological conditions in man (insulin coma, convulsive fits, acute infective psychoses). It was found that the succession of the depression of different unconditioned reflexes corresponds to their emergence in ontogenesis. Those of the conditioned reactions which have been formed in early childhood are well stabilized, simple in their functional structure and most closely connected with the unconditioned activity; they remain the longest and are the first to be restored. This applies both to direct conditioned reactions and to all kinds of verbal activity. Each of the states so studied, along with the common regularities, is characterized by its specific features. In cases of insulin hypoglycaemia, a rapid development of transmarginal inhibition is observed as well as an inertia of nervous processes and their intense irradiation. In post-comatose and post-paroxysmal conditions, complex forms of nervous activity are completely inhibited, while elementary cortical reactions proceed undisturbed.

BALONOV, L. A; SANDOMIRSKIY, M. I; TRAUGOTT, N. N; CHISTOVICH, A. S,

Neurophysiological study of acute infectious psychoses.
Nevropat. psikiat., Moskva 19 no.4:65-70 July-Aug. 1950.
(CLNL 20:1)

1. Of the Institute of Evolutionary Physiology and Pathology
of Higher Nervous Activity imeni Academician I. P. Pavlov
(Director -- Academician L. A. Orbeli) of the Academy of Med-
ical Sciences USSR.

1. BALONOV, L. YA., KAUFMAN, D. A., LICHKO, A. YE., TRAUGOTT, N. N.
2. USSR (600)
4. Sluchevskii, I. F.
7. On Prof. I. F. Sluchevskiy's article "On some urgent problems in psychiatry." Zhur. nevr. i psikh. 52, no. 12, 1952.
9. Monthly List of Russian Acquisitions, Library of Congress, March 1953. Unclassified.

BALONOV, L.Ya.; LICHKO, A.Ye.; TRAUGOTT, N.N.

Data on pathophysiologic analysis of stupor appearing in infectious psychoses. Zh. nevropat. psichiat., Moskva 53 no.3:167-181 Mar 1953.
(CLML 25:1)

1. Institute of Physiology imeni I. P. Pavlov of the Academy of Sciences USSR.

BALONOV, L.Ya.

Conditioned cardiac reflexes to automatic stimuli in man. Trudy
Inst. fiziol. 3:349-354 '54. (MLRA 8:2)

1. Psichiatricheskiy sektor. Zaveduyushchiy A.S.Chistovich.
(HEART, physiology,
reflex, conditioned, to automatic stimuli)
(REFLEX, CONDITIONED,
heart, to automatic stimuli)

BALONOV, L.YA.

BALONOV, L.YA.

Disorders of neural regulation of the heart in acute psychoses.
Trudy Inst. fisiol. 3:355-368 '54. (MIRA 8:2)

1. Psichiatricheskiy sekter. Zaveduyushchiy A.S.Chistovich.

(HEART, physiology,
reflex, conditioned, in psychoses)

(REFLEX, CONDITIONED,
heart, in psychoses)

(PSYCHOSES, physiology,
heart conditioned reflexes)

BALONOV, L.Ya.; LICHKO, A.Ye. (Leningrad)

Physiological investigation of delirium, of symptoms of cerebral automatism, and of certain hallucinations in the dynamics of insulin shock therapy. Zhur. vys. nerv. deiat. 5 no.5:686-696 S-0 '55. (MIRA 9:1)

(SCHIZOPHRENIA, therapy,
insulin shock ther., conditioned reactions to verbal stimuli in)

(SHOCK THERAPY, INSULIN, in various diseases,
schizophrenia, conditioned reactions to verbal stimuli in)

(REFLEX, CONDITIONED,
conditioned reactions to verbal stimuli in insulin shock ther. of schizophrenia)

TRAUGOTT, N.N.; BALONOV, L.Ya.; LICHKO, A.Ye.

[Studies on the physiology of the higher nervous activity in man]
Ocherki fiziologii vysshei nervnoi deiatel'nosti cheloveka. Moskva,
Medgiz, 1957. 245 p.
(MIRA 11:9)
(PSYCHOLOGY, PHYSIOLOGICAL)

USSR/Human and Animal Physiology - The Nervous System.

T

Abs Jour : Ref Zhur Biol., No 3, 1959, 13255
Author : Balonov, L.Ya., Lichko, A.Ye., Traugott, N.N.
Inst :
Title : Depression and Restoration of Higher Nervous Activity
in Several Pathological Conditions
Orig Pub : Zh. vyssh. nervn. deyat-sti, 1957, 7, No 3, 335-343
Abstract : With the development of convulsive seizures, insulin
coma, acute infectious psychosis, and recovery from
these conditions, the later conditioned reflexes (CR)
and all forms of speech activity were suppressed, the
earlier they were restored and the more firmly they
were developed, and unconditioned reflexes - the
earlier they appeared in ontogenesis. Elementary cor-
tical reactions were restored earlier than the more
complex ones. The sequence of restoration of CR was
determined by the subsequent recoveries of the corres-

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- 115 -

USSR/Human and Animal Physiology - The Nervous System.

T

Abs Jour : Ref Zhur Biol., No 3, 1959, 13255

Au

ponding unconditioned reflexes, which were restored earlier and suppressed later than CR. In insulin coma, and quite often in infectious psychosis, there were rapidly developed protective inhibition, resistance, and intensified irradiation of the nervous processes. -- I.A. Slavutskaya

Card 2/2

TRAUGOTT, N.N.; BALONOV, L.Ya. Lichko, A.Ye.

The problem of sick points in the pathology of the higher nervous
activity in man. Mat. po evol. fiziol. 3 '58. (MIRA 12:4)
(PSYCHOSES)

BALONOV, L.Ya.

Materials on conditioned reflex regulation of cardiac activity in
man. Mat. po evol. fisiol. 3:149-165 '58. (MIRA 12:4)
(CONDITIONED RESPONSE) (HEART)

BALONOV, L.Ya.; LICHKO, A.Ye.

Modification of some conditioned and unconditioned autonomic reflexes
during the development of insulin coma [with summary in English].
Fiziol. zhur. 44 no.3:194-201 Mr '58. (MIRA 11:4)

1. Akademicheskaya gruppa akad. L.A. Orbeli AMN SSSR, Leningrad.
(SHOCK THERAPY, INSULIN,
conditioned & unconditioned reflex variations during
insulin shock (Rus)
(REFLEX, CONDITIONED, physiology
response variations during insulin shock ther. (Rus)
(REFLEX,
unconditioned, response variations during insulin shock
ther. (Rus)

TRAUGOTT, N.N., BALONOV, I.Ya.

Neurophysiological analysis of certain conditions resulting from
aminazine administration [with summary in French]. Zhur.nevr.
(MIR 11:7)
i psikh. 58 no.5:585-591 '58

1. Institut evolyutsionnoy fisiologii imeni I.M. Sechenova
(dir. - akademik L.A. Orbeli) AN SSSR, Leningrad.
(CHLORPROMAZINE, effects,
neurophysiol. aspects (Rus))

BALONOV, Lev Yakovlevich; TRAUGOTT, N.N., otv.red.; NATAROVA, N.V.,
red.izd-va; KRUGLIKOV, N.A., tekhn.red.

[Conditioned reflex regulation of cardiac activity in man]
Uslovno-reflektornaya regulatsiya serdechnoi deiatel'nosti
cheloveka. Moskva, Izd-vo Akad.nauk SSSR, 1959. 193 p.

(MIRA 13:1)

(CONDITIONED RESPONSE) (HEART)

BALONOV, L. Ya.; KAUFMAN, D. A.; PEYMER, I. A.; TRAUGOTT, N. N.; (Leningrad)

K voprosu ob izmeneniyakh vysshey nervnoy deyatel'nosti cheloveka
ob uslovlennykh ugnezeniem v oskhodyashchikh aktiviruyushchikh sistem mozga

report submitted for the First Moscow Conference on Reticular Formation,
Moscow, 22-26 March 1960.

BALONOV, L.Ya.; SOBOL'KVA, A.V.

Cardiac conditioned reflexes during various forms of atrioventricular block. Zhur. vys. nerv. deiat. 10 no. 5:676-684 S-0 '60.
(MIRA 13:12)

I. Institut evolyutsionnoy fiziologii im. I.M. Sechenova Akademii nauk SSSR i Leningradskiy institut trudoustroystva i trudovoy eksperimentazy.

(HEART BLOCK) (CONDITIONED RESPONSE)

TRAUGOTT, N.N.; BALONOV, L.Ya.; KAUFMAN, D.A.

Mechanism of the action of aminazine on higher nervous activity in man. Zhur. vys. nerv.deiat. 11 no.5:814-822 S-0 '61. (MIRA 15:1)

1. The Sechenov Institute of Evolutionary Physiology, U.S.S.R. Academy of Sciences, Leningrad.
(CHLORPHROMAZINE) (CONDITIONED RESPONSE)
(NERVOUS SYSTEM)

TRAUGOTT, N.N.; BALONOV, L.Ya.

Neurophysiological analysis of certain depressive syndromes. Zhur.
nerv. i psikh. 61 no. 1:91-98 '61. (MIRA 14:4)

1. Institut evolyutsionnoy fiziologii imeni I.M. Sechenova (dir.-akad.
L.A. Orbeli [deceased] AN SSSR, Leningrad.
(DEPRESSION, MENTAL)

TRAUGOTT, N.N.; BALOVOV, L.Ya.; KAUFMAN, D.A.

Mechanism of the action of sodium amytal on higher nervous
activity in man. Zhur. nevr. i psikh. 61 no.12:1847-1854
'61. (MIRA 15:7)

1. Institut evolyutsionnoy fiziologii imeni I.M. Sechenova
(dir. - prof. Ye.M. Kreps) AN SSSR, Leningrad.
(AMOBARBITAL) (NERVOUS SYSTEM)

TRAUGOTT, N.N., BALONOV, L.Ya., KAUFMAN, D.A.

Clinical picture and physiological mechanisms of some
atypical reactions to the administration of aminazine.
Zhur. nevz. i psikh. 62 no.5:746-754 '62. (MIRA 15:6)

1. Institut evolyutsionnoy fiziologii imeni I.M. Sechenova
(dir. - prof. Ye.M. Kreps) AN SSSR i 3-ya Psikhonevrologiches-
kaya bol'niitsa imeni Skvortsova-Stepanova (glavnnyy vrach
N.D. Bulkin), Leningrad.

(CHLORPROMAZINE)

POLENOV, A.L.; BALONOV, L.Ya. (Leningrad)

Morphological analysis of changes in the neurosecretory elements of the neurohypophysis of white rats during pain stimulation and under the effect of aminazine. Probl. endok. i gorm. 9 no.5:40-46 S-0'63 (MIRA 16:12)

1. Iz Instituta tsitologii AN SSSR i Instituta evolyutsionnoy fiziologii AN SSSR imeni I.M.Schenova.

TRAUGOTT, N.N.; BALONOV, L.Ya.

Review of the book "Neurophysiological studies in neuropsychic diseases". Zhur.vys.nerv. deiat. 13 no.2:383 Mr-Ap'63.
(MIRA 16:9)

(NEUROPSYCHIATRY)

ACC NR: AR6004359 SOURCE CODE: UR/0299/65/000/019/P004/P004
AUTHOR: Traugott, N. N.; Balonov, I. Ya.; Kaufman, D. A. 28
TITLE: Role of the reticular formation of the brain stem and nonspecific systems of the optic thalamus 22
SOURCE: Ref. zh. Biologiya, Abs. 19P18
REF SOURCE: Sb. Evolyutsiya funktsiy. M.-L., Nauka, 1964, 186-197
TOPIC TAGS: brain, conditioned reflex, chlorpromazine, nervous system drug, drug effect, behavior pattern
ABSTRACT: Cortex activity change induced by inhibition or intensification of the nonspecific system function of the brain stem or thalamus with the administration of adrenalin (subcutaneously 0.75 to 1 ml of a 1:1000 solution), chlorpromazine (intravenously or intramuscularly 25 to 100 mg), or sodium amytal (intravenously 150 to 200 mg) was investigated in patients with various psychic syndromes and also in convalescents. Conditioned reflexes were developed by preliminary verbal instructions, verbal reinforcement and also by defensive and kinesthetic reinforcement. Despite sharp changes of unconditioned reflexes under the action of all the above drugs, the formation of new conditioned reflexes and the

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UDC: 612.822.3-087+612.825+612.826.1

L 46272-56

ACC NR: AR6004359

performance of earlier developed conditioned reflexes were possible; thus, the synapse function basically was not affected, though certain cortical activity changes were noted. It was demonstrated that irradiation of excitation along the cortex is determined by the state of the nonspecific systems of the thalamus and irradiation of excitation in the vegetative centers depends on the reticular formation of the brain stem. Preservation of discriminatory inhibition is determined by the interrelation of the reticular formation of the brain stem and the nonspecific systems of the thalamus (which is disturbed following sodium amyta administration). The function of impressing traces of stimuli striking the cortex improves with intensification of reticular formation activity and deteriorates with its inhibition. Under the action of these preparations, motor reflexes also changed and certain changes of mood were observed. Bibliography of 21 titles. R. Pavlygina.
[Translation of abstract].

SUB CODE: 06

Card 2/2 fv

ITINA, N.A.; BALONOV, L.Ya.

Studies on the EEG in lampreys with special reference to the
role of acetylcholine in the heart. Fiziol. zhur. 50 no.3:
355-364 Mr '64. (MIRA 18:1)

1. Institut evolusionnoy fiziologii imeni I.M. Sechenova AN
SSSR, Leningrad.

SOLLERTINSKAYA, T.N.; BAGROV, Ya.Yu.; BALONOV, L.Ya.

Analysis of the effect of the phylogenetically ancestral brain systems
on the electrical activity of the cerebral cortex. Zhur. evol. biokhim.
i fiziol. 1 no.3;281-289 My-Je '65. (MIRA 18:7)

1. Laboratoriya sravnitel'noy fiziologii tsentral'noy nervnoy sistemy i
laboratoriya patologii vysshey nervnoy deytatel'nosti cheloveka Instituta
evolyutsionnoy fiziologii i biokhimii imeni Sechenova AN SSSR, Leningrad.

TRAUGOTT, N.N.; BALONOV, L.Ya.; KAUFMAN, D.A.

Electrophysiological data on the effect of some psychopharmacological substances on various structures of the human brain.

Zhur. vys. nerv. deiat. 15 no.1:42-52 Ja-F '65.

(MIRA 18:5)

1. Institut evolyutsionnoy fiziologii im. I.M. Sechenova AN SSSR
i Tret'ya psikhonevrologicheskaya bol'nitsa im. Skvortsova-Stepanova.

AUTHORS: Kuznetsov, S. G., Bobysheva, Z. I., 79-28 3-15/61
Balonova, E. M.

TITLE: The Synthesis of the Marked Diethylaminethylester S³⁵
of the Diphenyloxythioacetic Acid
(Sintez mechenogo diethylaminetilovogo S³⁵- efira
difenilositiouksusnoy kisloty)

PERIODICAL: Zhurnal Obshchey Khimii, 1958, Vol. 28, Nr 3,
pp. 635-637 (USSR)

ABSTRACT: For the investigation of the physiological effect of cholinolitic preparations the synthesis of a marked active cholinolitic compound was necessary. As such, the authors selected the diethylaminoethylester S of diphenyloxythioacetic acid (formula II), which, as is known, is a considerably greater antagonist of acetylcholine than diethylaminoethylester S of diphenylthioacetic acid (tiphene), the synthesis of which with the marked atom S³⁵ is described in publications (Ref 2). For the comparatively easy synthesis of aminothioester with radioactive sulfur the authors used the method described in publications

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The Synthesis of the Marked Diethylaminoethylester S³⁵ 79-28 3-15/61
of the Diphenyloxythioacetic Acid

(Ref 3) (see mentioned reaction process). As radioactive raw material BaS^XO₄ was used which contains the sulfur isotope S³⁵. According to known examples (Ref 4) the BaS^XO₄ was reduced at 900-1000° in BaS^X by hydrogen. BaS^X converted to thiourea in the action of cyanamide and bicarbonate of ammonium (see reaction process). The yield in thiourea (NH₂-CS-NH₂) was computed on the basis of BaS^XO₄, about 95 %. The synthesis of the necessary diethylaminoethanethiol was realized by the reaction of thioureas with diethyl-β-chloroethylamine and by the subsequent alkaline hydrolysis of the obtained β-diethylaminoethylisothiourea (see reaction process). The yield of diethylaminoethanethiol, computed on the basis of thioureas, was 70 %. The reaction of aminomercaptane to the final product - aminothioester-took place in two steps according to the mentioned scheme 1. The intermediate product, the diethylaminoethylester S of diphenylchlorothioacetic acid (I) precipitated as hydrochloride in crystalline state. The desired final product the diethyl-

Card 2/3

The Synthesis of the Marked Diethylaminoethylester S³⁵ 79-28 -3-15/61
of the Diphenyloxythioacetic Acid

aminoethylester S³⁵ of diphenyloxythioacetic acid (II) was converted to hydrochloride, passing through the free base. The yield of this final product, when using small amounts of (1,5-2 g) BaS³⁵O₄, was 20-22 %, computed on the

basis of the radioactive raw material. The yield could be increased to 52 % with 8-10 g BaS³⁵O₄. The synthesis proceeded in a simple apparatus and within shortest time. There are 1 figure, and 5 references, 3 of which are Soviet

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy sanitarno-khimicheskiy institut (All-Union Scientific Research Institute for Sanitation Chemistry)

SUBMITTED: January 23, 1957

Card 3/3

BALONOVA, E.M.; KHALETSKIY, A.M.; PESIN, V.G.

Esters of β -sitosterol. Zhur. ob. khim. 34 no.7:2157-2158
J1 '64 (MIRA 17:8)

1. Leningradskiy khimiko-farmatsevticheskiy institut.

BALONOVA, Tatiana

Effect of enriched Larsen's diet on the growth and development of laboratory rats. Biologia 17 no.9:668-676 '62.

1. CSAV, Chemicky ustav Slovenskej akademie vied, Oddelenie farmakodynamiky v Bratislave.
(BODY WEIGHT) (DIETS) (GROWTH)

BALONOVA, TATIANA
SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees:

Affiliation: Chemical Institute, SAV /Slovenska akademie ved; Slovak Academ
of Sciences/ (Chemicky ustav SAV), Bratislava.

Source: Bratislava, Nasa Veda, Vol VIII, No 4, 1961, pages 233-237.

Data: "Study of the Raising of Laboratory Animals In Czechoslovakia."

Authors: BALONOVA, Tatiana, graduate biologists;
CEREY, Karol, graduate veterinarian

KLIMENT, V.; ZACHAR, V.; DITTEOVA, V.; BALONOVA, T.

An attempt to evaluate the effect of extreme physical exertion
on the estrus and myometrium in rats. Cesk. gynek. 28 no.7:
501-503 S '63.

1. Gyn.-por. odd. mestskej nemocnice v Bratislave, veduci doc.
dr. V. Kliment Chemicky ustav SAV v Bratislave, ved. odd.
farmakobiodynamiky dr. F.V. Selecky.
(EXERTION) (ESTRUS) (UTERUS)

HALOS, J.

PHASE I BOOK EXPLOITATION

Z/6284

Jerie, Jan ed. Engineer, Doctor, Corresponding Member of the Czechoslovak Academy of Sciences.

Zakladni problemy ve stavbe spalovacich turbin (Basic Problems in the Construction of Gas Turbines(Collection of Articles)). Prague, Nakl. CAV, 1962. 627 p. 1600 copies printed.

1/2

Basic Problems in the Construction (Cont.)

Z/6284

J. Čamek (State Research Institute for Heat Engineering, Prague). Theoretical Study on the Possibility of Obtaining Flatter Turbine Stage Characteristics $\eta_u = f(u/c_{ad})$.

547

I. Zuber (State Research Institute for Heat Engineering, Prague). Experimental and Theoretical Results in the Field of Combustion Chambers

571

J. Baláš (Klement Gottwald First Brno Armament Plant, Brno). A Combustion Chamber for the PBZKG 1-Mw Turbine [PBZKG is Czech abbreviation for Gottwald Plant]

589

O. Schurek (Aviation Research and Testing Institute, Zetnany). Burning of Fuel in Combustion Chambers of Jet Engines

603

AVAILABLE: Library of Congress

SUBJECT: Aerospace

AD/jbj/jk
3/21/63

Card 878

2/2

STANEK, Miroslav, inz.; TEYSSLER, Jiri, inz., dr.; FISCHER, Jiri, inz.;
SPITALNIK, inz.; STEKL, inz.; NAVRATIL, Miroslav, inz., dr.;
IBLER, Jaroslav, inz., dr.; KARAS, Frantisek, prof., inz., dr., ScDr.;
CESKA, inz.; HOFFMANN, V., inz.; CHALUPSKY, Josef, inz.;
FAPSO, O., inz.; ROCEK, Jaroslav, inz., ScC.; SVEJDA, J., inz.;
LENCZ, Imrich, inz.; RAJDA, Frantisek; BALOS, Jaroslav, inz.;
MACHA, Jiri, inz.

Third National Conference on the Results of Research and
Development of Power Installations. Energetika Cz:Suppl.:
Energetika 13 no.6:1-4 '63.

JEMELKA, Jiri (Brno); SVOBODA, Jindrich (Blatnice); BALOS, Jaroslav, inz. (Brno)

Device of primary air control in the combustion chamber of gas turbines. Energetika Cz 14 no.5:260 My '64.

L 44744-66 EWP(f)/T-2 WW WE
ACC NR: AP6017904 (A)

SOURCE CODE: CZ/0078/65/000/012/0021/0021

INVENTOR: Jamelka, Jiri; Balos, Jaroslav (Engineer) (Brno)

54
B

ORG: none

TITLE: [Combustion chamber for turbine engines] CZ Pat. No. PV. 2916-64, Class 46

SOURCE: Vynalezay, no. 12, 1965, 21

TOPIC TAGS: gas turbine, gas turbine engine, combustion chamber

ABSTRACT: A combustion chamber for gas turbine engines is described which has the distinguishing feature that the form of the flame tube is formed of segments, for example, of cylinder segments which overlap each other. At the same time a system of segments suspended inside the combustion chamber constitutes the cooling fins.

SUB CODE: 21/ SUBM DATE: 21May64

Card 1/1 mjs

L 01960-67 EWP(j)/T-2/EWP(f) RM/WW

ACC NR: AP6028177 (A) SOURCE CODE: CZ/0078/66/000/006/0024/0024

AUTHOR: Balos, Jaroslav (Engineer; Brno)

67
B

ORG: none

23

TITLE: Internal combustion turbine unit for lean mixtures. CZ Pat. No. PV 117-64, Class 46

SOURCE: Vynalezy, no. 6, 1966, 24

TOPIC TAGS: combustion chamber, catalytic combustion, turbine, methane, air mixture

ABSTRACT: An internal combustion turbine unit using a lean air-combustible gas mixture, notably methane, is introduced. In the unit, the combustion chamber is replaced by a catalytic reactor, and an auxiliary combustion chamber is installed in front of the reactor. Two features of the unit are described in detail. [KP]

SUB CODE: 21/ SUBM DATE: 07Jan64/

Cord 1/1 gd

BATHORY, Jozsef; BLOUGH, Anirns

Situation concerning the preparation of ethylene-oxide in the world. Magy kem lap 17 no.12:529-539 D '62.

1. Magyar Aszanyolaj es Foldgaz Kiserleti Intezet, Veszprem.

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103320012-9

Resistance of erythrocytes to tannins. B.I.M. Tapcre-
tova and I. Balon. *Vestn. prikladnoi. Biologii.*

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103320012-9"

COUNTRY	:	Czechoslovakia	4-55
CATEGORY	:		
ABS. JOUR.	:	AZKhim., No. 16 1959, No.	59530
AUTHOR	:	Laloum, J. and Schreinerova, L.	
EDITION	:	Not given	
TITLE	:	An Oxydometric Method for the Determination of Tannins. I. The Detanning of Test Solutions	
ORIG. PUB.	:	Farmacia (Czechoslovakia), 27, No 7, 200-203 (1958)	
SUMMARY	:	No abstract.	
CARD: 1/1			

BEHUNCIK, Jozef, inz.; BALOUN, Jaroslav; PROCHAZKA, Miroslav

Some experiences of the Hutne stavby National Enterprise, Kosice.
Pozemni stavby 13 no.4:132-134 '65.

1. Hutne stavby National Enterprise, Kosice (for Behuncik and
Baloun). 2. Ministry of the Building Industry, Prague (for
Prochazka).

CZECHOSLOVAKIA

BALOUN, J.

CHLAPEK, K.; HAMICKOVA, J.; BALOUN, J.

1. State Drug Control Institute (Státny ústav pre kontrolu liečiv)
(for Chlapek?); 2. Faculty of Natural Sciences, Comenius Univ.
(Prírodrovedenská fakulta UK), Bratislava (for Baloun?)

Bratislava, Prúročky klinického oboru, No 10, [October] 1966, p. 433-440

"A review of simple test tube identification methods for antibiotics
which could be included in Col. 3."

BALOUN, Rene; FOLDYNA, Bohumil

Material incentives in the production plan performance at the
Vitkovicke zelezarny Klementa Gottwalda hot rolling mills. Prace
mzda 12 no.1:29-31 Ja '64.

1. Vitkovicke zelezarny Klementa Gottwalda, n.p., zavod 2,
Ostrava.

CZECHOSLOVAKIA

BALOUN, Jan; Chair of Plant Physiology, Faculty of Natural Sciences, Comenius University (Katedra Fyziologie Rastlin Prirodovedeckej Fakulty Univerzity Komenskeho), Bratislava.

"Some Factors Influencing the Accuracy of the Determination of Tanning Substances by Biological Methods. I."

Bratislava, Biologia, Vol 21, No 5, 1966, pp 376 - 383

Abstract: The accuracy of the determination of tannin and of 3 other astringents was investigated using a method based on the coagulation of red blood corpuscles by these substances. The coagulation at $20^{\circ}\text{C} \pm 2^{\circ}$ is completed when tannin is used in 6 hours, with other drugs it takes 12-15 hours. Increase in pH decreases the coagulation effect, and at pH 8 coagulation is practically zero. 2 Figures, 5 Tables, 10 Western, 6 Czech, 1 Polish reference.

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CZECHOSLOVAKIA

BALOUN, Jan; BEJSOVCOVA, Ludmila; MESSERSCHMIDTOVA, Alzbeta; Chair
of Plant Physiology, Faculty of Natural Sciences, Comenius University (Katedra Fyziologie Rastlin Prirodovedeckej Fakulty University Komenskeho), Bratislava.

"Some Factors Influencing the Accuracy of the Determination of Tannins in Vegetable Materials by Biological Methods."

Bratislava, Biologia, Vol 21, No 7, 1966, pp 522 - 528

Abstract: The only materials of phenolic nature that normally accompany tannins in vegetable materials and coagulate human erythrocytes are pyrogallol and pyrocatechol. The conglutination effect of these substances is much lower than that of tannin, so that their presence does not interfere with the determination of gallotannins in vegetable materials. The readiness of erythrocytes to react with tannins decreases with the period of their storage in refrigerators. Erythrocyte suspensions used analytically should be less than 1 day old. 7 Tables, 4 Western, 5 Czech, 1 Polish reference.
(Manuscript received 20 Nov 65).

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- 6 -

BALOUNOVA, V.

"Forms of Glacial and Postglacial Accumulations in the Valleys Mala A Velke Studena Dolina in the High Tatra" P. 21
(ROZPRAVY, RADA MATEMATICKO-PRIRODOVODECKA Vol. 64, No. 8, 1954-Praha, Czech.)

SO: Monthly List of East European Accessions, (HEAL), LC, Vol. 4, No. 4,
April 1955, Uncl.

MESCHURA, Vojtech; BALOUSEK, Antonin

New rules for granting bonuses and awards. Prace mzda 10 no. 3:108-114
Mr '62

USSR/Diseases of Farm Animals. Noninfectious Diseases

R-2

Abs Jour : Ref Zhur - Biol., No 7, 1958, No 31104

Author : Balov, N.Ya.

Inst : Stavropol Agricultural Institute

Title : On Pneumonia and Enterocolitis in Lambs

Orig Pub : Sb. nauchno-issled. rabot. stud. Stavropol'sk. s.-kh. in-t,
1956, vyp. 4, 135-137

Abstract : Under conditions of the mountain zone of the Stavropol region, the occurrence of a disease of lambs with pulmonary and gastrointestinal manifestations was observed. Both in the first and in the second type of sickness, retardation in growth and weight, defectiveness of fleece, dryness of skin, etc., were noticed. Inquiry into the causes of disease showed that in the pre-lambing period the ewes were maintained on poor natural pastures, and in the wintertime they were receiving insufficient amounts of hay, almost no silage or mineral supplements except NaCl, and no concentrates at all. Such management and feeding of ewes led to the develop-

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ment of hypovitaminosis A. The lambs were born weak, predisposed to hypovitaminosis A, and even to avitaminosis, which was running a course accompanied with symptoms of pneumonia or enterocolitis, or of both together.-- I.Ya. Panchenko.

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BALOV, T.

Forest conservation in the People's Republic of Czechoslovakia and some impressions
of Czechoslovak forests. p.453.

GORSKO STOPANSTVO, Sofiya, Vol. 11, no. 10, Dec. 1955.

SO: Monthly List of East European Accessions, (EEAK), LC, Vol. 5, No. 6 June 1956, UncL.

BALW, T.; PETKOV, I.

"Conference on reporting the work accomplished in the Forest Service in 1957."
p. 43 (Gorsko Strojanstvo, Vol. 14, no. 4, 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 9,
September 1958

BALOV, T.

"How I achieved good results in protecting the forests in my region."

p. 46 (Gorsko Strojanstvo, Vol. 14, no. 5, 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 9,
September 1958

MOTYNGA, I.; BALOV, V., mladshiy nauchnyy sotrudnik

System of measures against scale insects. Zashch. rast. ot vred. i bol.
10 no.6:45-47 '65. (MIRA 18:7)

1. Mezhrayonnyy karatinnyy inspektor, Tiraspol'skiy karantinnyy punkt
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tury", Nal'chik-Dolinsk (for Balov).